

ABSTRACT

A head restraint device worn by a driver while operating a high performance vehicle. The device controls the driver's head from snapping forward and downward during a collision event. The device includes a back member positioned along the back of the driver. The back member is attached to the driver's helmet or skull cap by a first strap. A second strap is configured to encircle the driver's torso in order to releasably secure the device to the driver. Third straps define openings through which the driver's shoulders are received to assist in holding the device on the driver. During a collision event, forces from the head and helmet are transferred through the first strap and the back member, causing the third strap to react against the mass of the driver's body. These reactive forces control the driver's head and neck from violently moving forward and downward.